

Timm Coors

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

95
citations

1684188

5
h-index

1474206

9
g-index

15
all docs

15
docs citations

15
times ranked

61
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of degree of deformation on welding pore reduction in high-carbon steels. Production Engineering, 2021, 15, 161-168.	2.3	3
2	Influence of process-related heat accumulation of laser beam welded 1.7035 round bars on weld pool shape and weld defects. Journal of Laser Applications, 2021, 33, 042007.	1.7	4
3	Numerical investigations regarding a novel process chain for the production of a hybrid bearing bushing. Production Engineering, 2020, 14, 569-581.	2.3	5
4	Production-Related Surface and Subsurface Properties and Fatigue Life of Hybrid Roller Bearing Components. Metals, 2020, 10, 1339.	2.3	5
5	Numerical Simulation and Experimental Validation of the Cladding Material Distribution of Hybrid Semi-Finished Products Produced by Deposition Welding and Cross-Wedge Rolling. Metals, 2020, 10, 1336.	2.3	8
6	Investigations on Tailored Forming of AISI 52100 as Rolling Bearing Raceway. Metals, 2020, 10, 1363.	2.3	11
7	Studies on the Influence of Residual Stresses on the Fatigue Life of Rolling Bearings in Dependence on the Production Processes. Frontiers in Mechanical Engineering, 2020, 6, .	1.8	12
8	Simulation assisted process chain design for the manufacturing of bulk hybrid shafts with tailored properties. International Journal of Advanced Manufacturing Technology, 2020, 108, 2409-2417.	3.0	5
9	Manufacturing of Large-Diameter Rolling Element Bearings by Steel-Steel Multimaterial Systems. , 2020, , 277-299.		0
10	Ultrasonic Evaluation of Tailored Forming Components. , 2020, , 300-312.		5
11	Theoretical investigations on the fatigue behavior of a tailored forming steel-aluminium bearing component. AIP Conference Proceedings, 2019, , .	0.4	3
12	Manufacturing and Evaluation of Multi-Material Axial-Bearing Washers by Tailored Forming. Metals, 2019, 9, 232.	2.3	18
13	Simulation of a Steel-Aluminum Composite Material Subjected to Rolling Contact Fatigue. Lubricants, 2019, 7, 109.	2.9	3
14	Investigations on tailored forming components as tribologically loaded machine elements. Forschung Im Ingenieurwesen/Engineering Research, 2018, 82, 311-318.	1.6	2
15	Tribological Study on Tailored-Formed Axial Bearing Washers. Tribology Online, 2018, 13, 320-326.	0.9	11